Combined Higher Secondary Level Examination 2019 Tier L Roll Number Candidate Name Venue Name Exam Date 13/10/2020

Section: English Language (Basic Knowledge) Q.1 Select the INCORRECTLY spelt word. 1. Rogue X 2. Lacquer 3. Placque X 4. Boutique Ouestion ID: 8161612657 Status: Answered Chosen Option: 3 Q.2 Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement'. As we've been neighbours, I have known Mrs. Shashi Singh since more than 16 years. Ans 1. by more than 16 years 2. from more than 16 years X 3. No improvement 4. for more than 16 years Question ID: 8161612652 Status: Answered Chosen Option: 4 Q.3 Identify the segment in the given sentence which contains the grammatical error. If India will win this match they will win the series. 1. If India will win Ans 2. this match X 3. they will win X 4. the series Question ID: 8161612649 Status: Answered Chosen Option: 1

Q.4 Select the word which means the same as the group of words given. A collection of drawings, documents, etc. That represent a person's, especially anartist's, work Ans 1. Portfolio 2. Profile 3. Dossier 4. Sketch Question ID: 8161612659 Status: Answered Chosen Option: 1 Comprehension: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Hampi is a UNESCO World Heritage Site in India located near Hospet town in the Karnataka state, India. (1)___ the attractions of Hampi (2) beautiful temples, ruins of palaces (3)____of aquatic structures, ancient market streets, royal pavilions, bastions, royal platforms, treasury buildings...the list is practically (4)___. Most of the visitors to Hampi arrive at the well-connected Hospet Junction railway station, (5)____about 13km from Hampi. Roads to Hampi are in great shape. Driving all the way to Hampi from the neighbouring cities is not a bad idea either. SubQuestion No: 5 Q.5 Select the most appropriate option to fill in blank number 1. Ans X 1. Along X 2. Aside Question ID: 8161612641 Status: Answered

Comprehension: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Hampi is a UNESCO World Heritage Site in India located near Hospet town in the Karnataka state, India. (1)___ ___the attractions of Hampi (2) _beautiful temples, ruins of palaces (3)_____of aquatic structures, ancient market streets, royal pavilions, bastions, royal platforms, treasury buildings...the list is practically (4)___. Most of the visitors to Hampi arrive at the well-connected Hospet Junction railway station, (5)____about Hampi. Roads to Hampi are in great shape. Driving all the way to Hampi from the neighbouring cities is not a bad idea either. SubQuestion No: 6 Q.6 Select the most appropriate option to fill in blank number 2.Ans Ouestion ID: 8161612642 Status: Answered Chosen Option: 1 Comprehension: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Hampi is a UNESCO World Heritage Site in India located near Hospet town in the Karnataka state, India. (1) ______the attractions of Hampi (2) _____beautiful temples, ruins of palaces (3) ____of aquatic structures, ancient market streets, royal pavilions, bastions, royal platforms, treasury buildings...the list is practically (4)___. Most of the visitors to Hampi arrive at the well-connected Hospet Junction railway station, (5)____about Hampi. Roads to Hampi are in great shape. Driving all the way to Hampi from the neighbouring cities is not a bad idea either. SubQuestion No: 7 Q.7 Select the most appropriate option to fill in blank number 1. returns 2. remains 3. refunds

Question ID: 8161612643

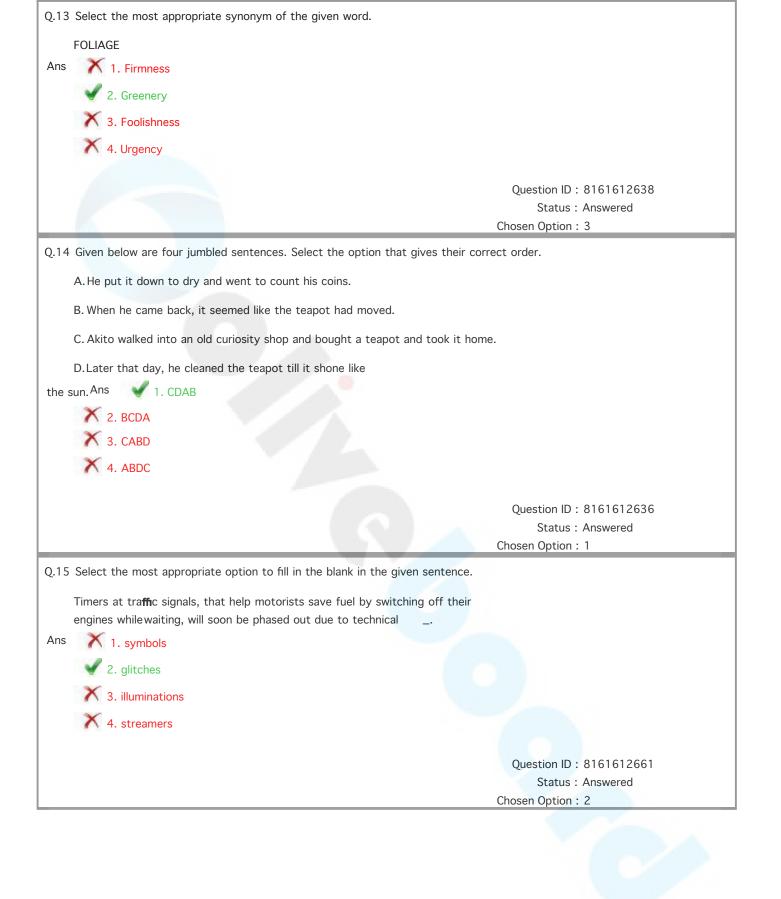
Status : Answered

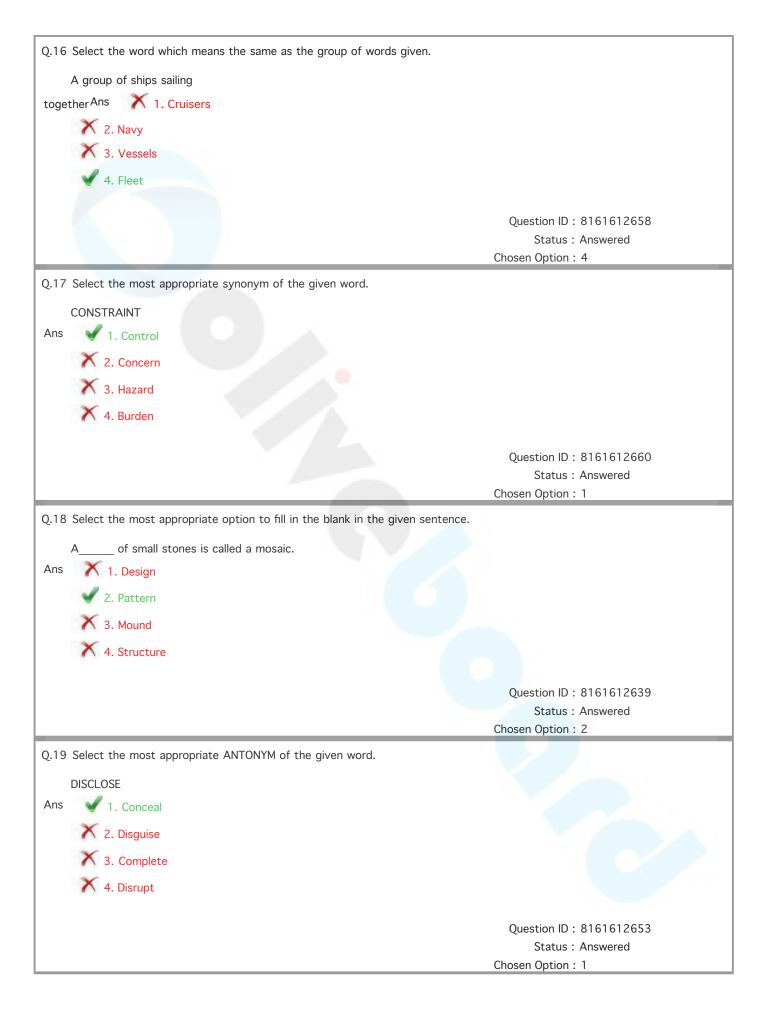
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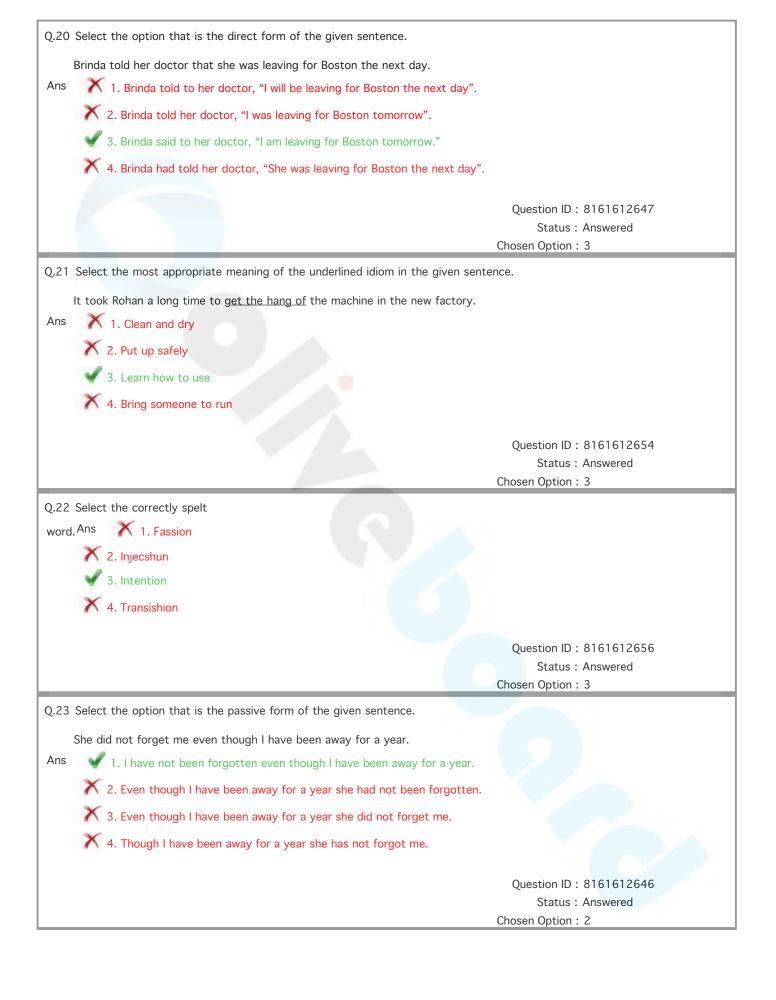
Question ID: 8161612645

Status: Answered

Q.10 Select the option that will improve the underlined part of the sentence. In case noimprovement is needed, select 'No improvement'. Finally, Ananya found her pet kitten over the top branch of a tree in their garden. 1. in a top branch of a tree 2. across the top branch in the tree X 3. No improvement 4. on the top branch of the tree Ouestion ID: 8161612651 Status: Answered Chosen Option: 4 Q.11 Given below are four jumbled sentences. Select the option that gives their correct order. A. "Today, respect is shown in different ways," she said, "students have a more questioning bent of mind." B. Vidya Subramaniam occupies a small but privileged place in the dance world that has seen the old guard giving place to the new. C. Back in the day, respect meant not sitting on even the same level as one's gurus but that's no longer true, especially for those who live in Western milieus. D.For instance, she spoke of how the very idea of 'respect' has changed over time. Ans 1. BCAD 2. BDCA X 3. DCAB X 4. DBAC Question ID: 8161612650 Status: Answered Chosen Option: 2 Q.12 Select the most appropriate ANTONYM of the given word. ALTRUISTIC Ans 1. Outstanding 2. Selfish X 3. Soft-spoken X 4. Serene Question ID: 8161612637 Status: Answered







Q.24 Select the most appropriate meaning of the given idiom.

Fit as a fiddle

Ans

- 1. Of the right size
- X 2. Singing happily
- X 3. Playing a musical instrument
- 4. Healthy and strong

Question ID: 8161612655 Status: Answered

Chosen Option: 4

Q.25 Identify the segment in the given sentence which contains the grammatical error.

I don't recognise none of the politicians who have been invited to be the speakers today.

- X 1. the politicians who have been
 - X 2. invited to be
 - X 3. the speakers today
 - 4. I don't recognise none of

Ouestion ID: 8161612648 Status: Answered

Chosen Option: 4

Section: General

Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the following Q.1 equation.

11 * 15 * 78 * 6 * 18 * 160

- Ans $X 1. +, \times, \div, -, =$
 - X 2. ×, +, -, ÷, =
 - **√** 3. ×, +, ÷, −, =
 - **X** 4. +, ×, −, ÷, =

Question ID: 8161612663

Status: Answered

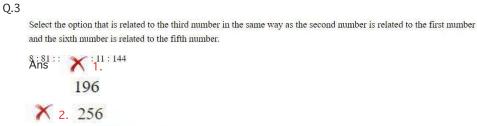
Chosen Option: 3

Q.2 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

- Ans X 1. NTZ
 - X 2. LRX
 - X 3. FLR
 - 4. BGQ

Question ID: 8161612677

Status: Answered



✓ 3. 169✗ 4. 144

Question ID: 8161612664 Status: Answered Chosen Option: 3

Q.4

Read the given statements & conclusions carefully. Assuming that the information given is true, even if it appears to be at a variance with commonly known facts, decide which of the given conclusion logically follows from the statement.

Statements"

All Boys are Robots

All Girls are Robots

Conclusion

I. Some Robots are boys

II. No robot is a girl

III. Some robots are girl

Ans

1. Only conclusions I and III follow.

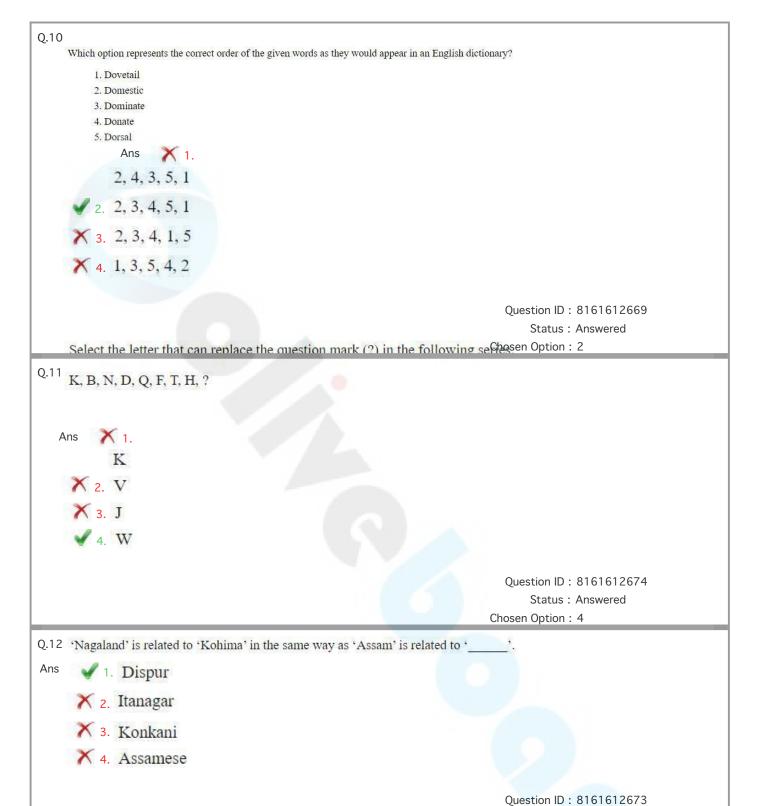
2. Only conclusion III follows.

3. All conclusions I, II and III follow.

4. Only conclusions I and II follow.

Question ID: 8161612679 Status: Answered

Q.6 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number pair th fferent from the rest. 11:142 X 2. 22:506 X 3. 17:306 X 4. 14:210 Question ID: 8161612668 Status: Answered Chosen Option: 1 Select the option in which the numbers are related in the same way as are the numbers in the given set. Q.7 (13, 17, 442)X 1. (11, 19, 628) × 2. (15, 14, 415) **3**. (18, 15, 540) X 4. (17, 21, 367) Ouestion ID: 8161612666 Status: Marked For Review Chosen Option: 3 Q.8 In a certain code language, 'BEAUTY' is written as 'ZUVBFC'. How will 'MARTYR' be written as in that language? √ 1. SZUSBN X 2. SYUSDM X 3. TXURBN X 4. SZUQDN Ouestion ID: 8161612670 Status: Answered Chosen Option: 1 Q.9 letter-cluster. KRZ: HOW:: CUX:? X 1. YTU Ans √ 2. ZRU X 3. YSU X 4. ZTV Ouestion ID: 8161612672 Status: Answered Chosen Option: 2



Status: Answered

 $Q.13 \quad \text{Select the option in which the words share the same relationship as that shared by the given pair of words.}$

Wheat : Cereal

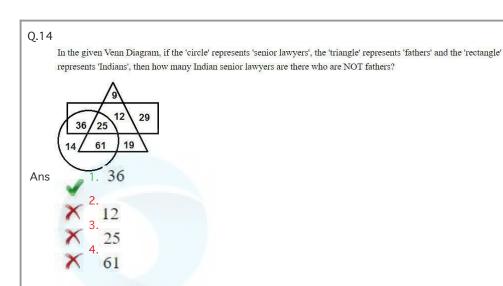
Ans X 1. Tea: Coffee

X 2. City: Traffic

√ 3. Cinnamon: Spices

X 4. Winner: Prize

Question ID: 8161612676 Status: Answered



Question ID: 8161612686 Status: Answered

Chosen Option: 1

Select the option in which the numbers are related in the same way as are the numbers in the given set.

Q.15 (789, 501, 645)

Ans 1. (455, 573, 514) (645, 705, 573)

× (224, 640, 330)

× (701, 538, 600)

Question ID: 8161612665

Status: Marked For Review

Four words have been given, out of which three are alike in some manner and one is different. Select the odd one on Option: 1

Q.16

Ans X 1. Spade

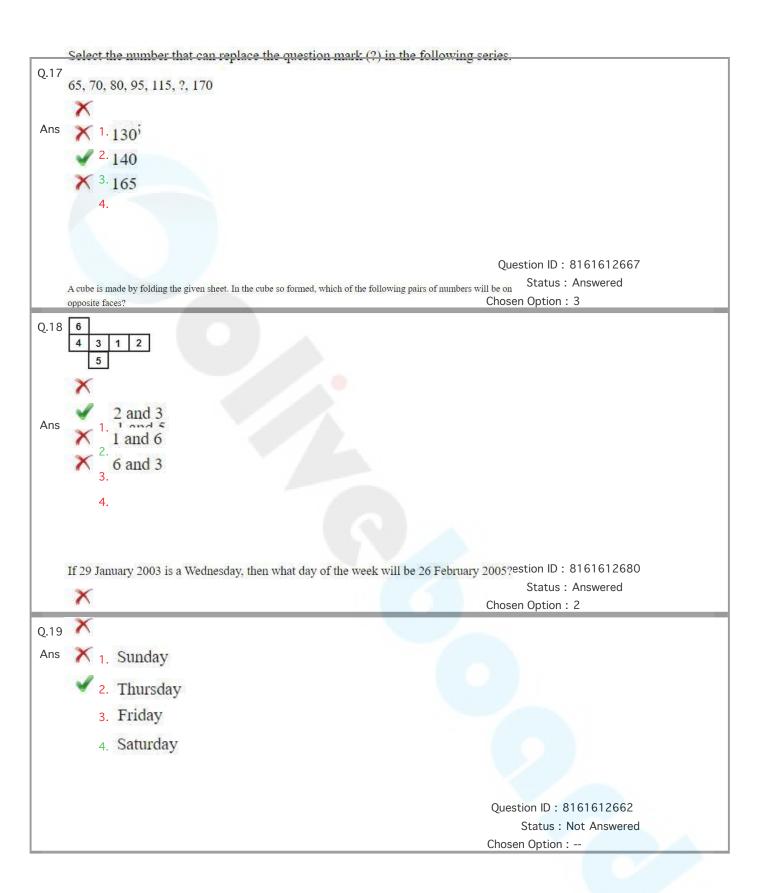
X 2. Spoon

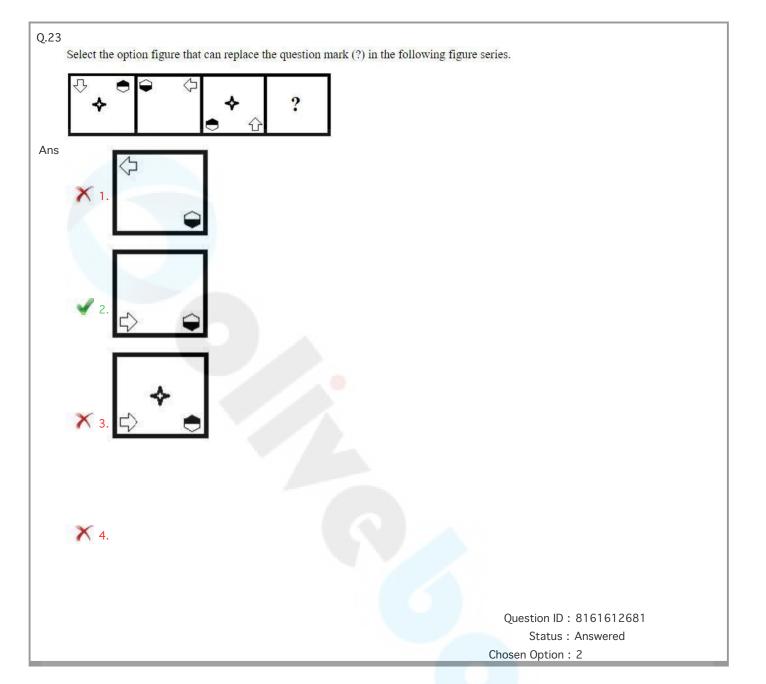
X 3. Knife

4. Fork

Question ID: 8161612678

Status: Answered





Q.24

A + B means 'A is the mother of B';

A - B means 'A is the sister of B';

A × B means 'A is the son of B';

A + B means 'A is the father of B'.

If, K + U - T × R + M, then how is K related to M?

Ans

1. Mother

2. Sister

3. Wife

4. Maternal grandmother

Question ID: 8161612675
Status: Answered
Chosen Option: 1

Q.1 If in the following figure (not to the scale), $\angle ACB = 135^{\circ}$ and the radius of the circle is $2\sqrt{2}$ cm, then the length of the chord AB is:



Ans

X 1. 6 cm

 \times 2. $4\sqrt{2}$ cm

 \times 3. $3\sqrt{2}$ cm

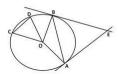
✓ 4. 4 cm

Question ID: 8161612697

Status: Answered

Chosen Option: 4

Q.2 In the following figure (not to scale), at the centre O, if the chord AB subtends double the angle that is subtended by chord CD and the angle \angle AEB = $2\angle$ AOB, then \angle COD is equal to:



Ans X 1. 75°

× 2. 60°

√ 3. 30°

X 4. 45°

Question ID: 8161612696

Status: Marked For Review

Q.3

Ans If SecA = $\frac{\sqrt{11}}{3}$, then the value of $\frac{\text{Cosec}^2 A + \text{Tan}^2 A}{\text{Sin}^2 A + \text{Cot}^2 A}$ is:

Question ID: 8161612705

Status: Answered

Chosen Option: 3

Q.4

If $A = \frac{(0.1)^3 + (0.2)^3 + (0.3)^3 + 3(0.005 + 0.016 + 0.027) + 0.036}{(0.1)^2 + (0.2)^2 + (0.3)^2 + 0.04 + 0.06 + 0.12}$, then the value of 60A is:

Ans

- X 3. 20

Question ID: 8161612701 Status: Not Answered

Chosen Option: --

The ratio of man's age to his father's age is 4:5 Q.5 and the ratio of his age to his son's age is 6:1. Four years age these ratios were 11:14 and 11:1 respectively. The ratio of age of grandfather to that of grandson 12 years from now will be

- Ans 1. 12:5 2. 18:7 3. 18:5

 - X4. 14:3

Question ID: 8161612694

Status: Not Answered

Q.6

A triangle has sides 25, 39, 34 units. If the area of a square exceeds the area of this triangle by 21 units, then the side of the square is:

- 21 units
- X 2. 25 units
- X 3. 18 units
- X 4. 22 units

Question ID: 8161612698

Status: Answered

Chosen Option: 1

Q.7 If the number 59a44b is divisible by 36, then the maximum value of a + b is:

Ans

- 14
- X 2. 16
- X 3. 12
- X 4. 10

Question ID: 8161612703

Status: Marked For Review

Chosen Option: 1

Q.9 A sphere is placed in a cube so that it touches all the faces of the cube. If 'a' is the ratio of the volume of the cube to the volume of the sphere, and 'b' is the ratio of the surface area of the sphere to the surface area of the cube, then the value

Ans

- \times 1. $\frac{36}{\pi^2}$
- $\frac{\times}{36}$ 2. $\frac{\pi^2}{36}$ 3. 1
- X 4. 4

Question ID: 8161612689

Status: Marked For Review

Q.10 If in the following figure (not to scale), $\angle DAB + \angle CBA = 90^{\circ}$, BC = AD, AB = 20 cm, CD = 10 cm then the area of the quadrilateral ABCD is:



Ans

150 cm²

× 2. 120 cm²

× 3. 100 cm²

✓ 4. 75 cm²

Question ID: 8161612699

Status: Not Answered

Chosen Option : --

Q.12

The numbers 24, 45, a, 35, 59, 83, 46, b, 29, 74 are serially numbered as they appear in the sequence. When each number is added to its serial number, then the average of the new numbers formed is 55. The average of the missing numbers (a and b) is:

Ans



Question ID: 8161612690

Status: Not Answered

Chosen Option: --

Q.13 If a + b = 8 and $a + a^2b + b + ab^2 = 128$ then the positive value of $a^3 + b^3$ is:

Question ID: 8161612700

Status: Answered

Chosen Option: 1

Q.14 The distance between H and O is D units. The average speed that gets a person from H to O in a stipulated time is S units. He takes 20 minutes more than usual if he travels at 60km/hr and reaches 44 minutes early if he travels at a speed of 75km/hr. The sum of numerical value of D & S is

358



X 3. 376

X 4. 344

Question ID: 8161612688

Status: Not Answered

Q.15 If CosA, SinA, CotA are in geometric progression, then the value of $Tan^6A - Tan^2A$ is:

Ans





X 3. 1

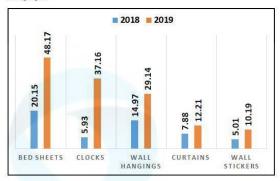
4. 1

Question ID: 8161612706 Status: Not Answered

Chosen Option : --

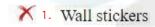
Q.16

A home decor company produces five different products - Bed sheets, Clocks, Wall hangings, Curtains and Wall stickers. The sales of these five products (in lakh number of packs) during 2018 and 2019 are shown in the following bar-graph.



Based on the given information, sales have increased by nearly 55% from 2018 to 2019 in the case of:

Ans





3. Curtains

X 4. Wall hangings

Question ID: 8161612708

Status : Answered

Q.18 If each edge of a cube is increased by 10%, then the percentage increase in its surface area is:



X 2. 19%

√ 3. 21%

X 4. 22%

Question ID: 8161612692

Status: Answered

Chosen Option: 3

Q.19 Evaluate 45 - 5 of $(6.3 \div 9) + 7 \times 0.5$.

Ans X 1. 40

X 2. 42

X 3. 50

4. 45

Question ID: 8161612704

Status: Answered

Chosen Option: 4

Q.20 A person makes his 40 items at 20% of the cost price. He sells 10 items at a 10% discount and 20 items at 15% discount on the marked price. What is the maximum discount he can offer on the remaining items if he still gets some profit?

Ans X 1. 21%



X 3. 28%

X 4. 25%

Question ID: 8161612691

Status: Not Answered

Chosen Option: --

then find $\frac{\circ}{13}$ where x > 0.





Question ID: 8161612702

Status: Answered

Q.22 A can finish a piece of work in a certain number of days. B takes 45% more number of days to finish the same work independently. They worked together for 58 days and then the remaining work was done by B alone in 29 days. In how many days could A have completed the work, had he worked alone?

Ans

√ 1. ₹1,130.70

× 2. ₹1,333.30

X 3. ₹1,444.40

X 4. ₹1,888.80

Question ID: 8161612695

Status: Answered

Chosen Option: 1

An oil merchant wants to make a minimum profit of ₹2,100 by selling 50 litres of oil he purchased at ₹236 per litre. For this, he adds a few litres of duplicate oil whose cost price is ₹180 per litre and sells at ₹250 per litre. How many litres of duplicate oil is needed for this purpose?



18 litres

X 2. 22 litres

√ 3. 20 litres

X 4. 16 litres

Question ID: 8161612693

Status: Not Answered

